

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 May 2006 (11.05.2006)

PCT

(10) International Publication Number
WO 2006/048884 A1

(51) International Patent Classification:

A61K 31/00 (2006.01) A61P 19/08 (2006.01)
A61K 31/7076 (2006.01) A61P 19/10 (2006.01)

(21) International Application Number:

PCT/IL2005/001166

(22) International Filing Date:

8 November 2005 (08.11.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/625,564 8 November 2004 (08.11.2004) US

(71) Applicant (for all designated States except US):
CAN-FITE BIOPHARMA LTD. [IL/IL]; 10 Bareket
Street, 49170 Petach Tikva (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FISHMAN, Pnina**
[IL/IL]; 19 Asher Barash Street, 46365 Herzliya (IL). **BAR**
YEHUDA, Sara [IL/IL]; 21B Arbel Street, 75474 Rishon
Le Zion (IL). **MADI, Lea** [IL/IL]; 27 Richard Fienman
Street, 5791 Rishon Le Zion (IL).

(74) Agent: **REINHOLD COHN AND PARTNERS**; P.O.
Box 4060, 61040 Tel Aviv (IL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,
SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

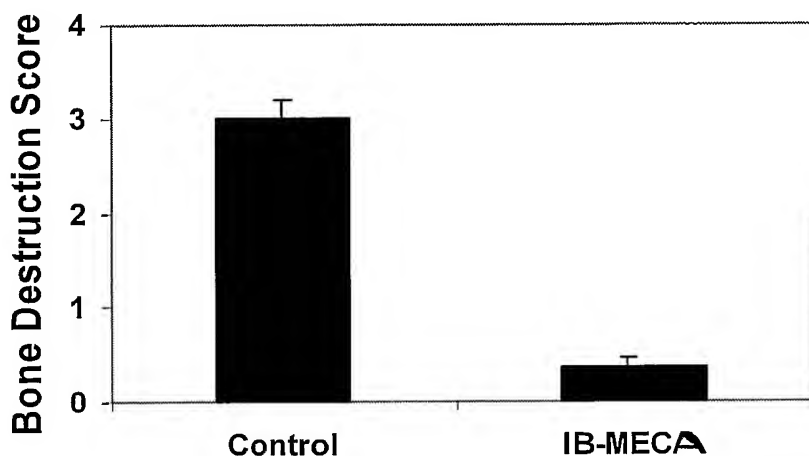
(81) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: THERAPEUTIC TREATMENT OF ACCELERATED BONE RESORPTION



(57) Abstract: The present invention concerns the use of an A_3 adenosine receptor agonist (A_3 AR agonist) for treatment of accelerated bone resorption, particularly, inflammation induced bone resorption. Specifically, there is provided by the present invention a method and pharmaceutical composition for treatment of said condition, the A_3 AR agonist being formulated as a pharmaceutical composition which is administered to a subject having accelerated bone resorption. The invention also provides the use of A_3 AR agonist in the preparation of said pharmaceutical composition.

WO 2006/048884 A1